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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,452

DATE: 03/27/2003
TIME: 12:02:32

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Output Set: N:\CRF4\03272003\I831452.raw

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3 <110> APPLICANT: SUGAMURA, Kazuo
4      TANAKA, Nobuyuki
6 <120> TITLE OF INVENTION: Protein AMSH and cDNA thereof
8 <130> FILE REFERENCE: 2001-0572A/LC/00653
10 <140> CURRENT APPLICATION NUMBER: 09/831,452
11 <141> CURRENT FILING DATE: 2001-07-10
13 <150> PRIOR APPLICATION NUMBER: PCT/JP99/06309
14 <151> PRIOR FILING DATE: 1999-11-12
16 <150> PRIOR APPLICATION NUMBER: JP No. 10-322674
17 <151> PRIOR FILING DATE: 1998-11-12
19 <160> NUMBER OF SEQ ID NOS: 4
21 <170> SOFTWARE: PatentIn Ver. 2.0
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24 <211> LENGTH: 424
25 <212> TYPE: PRT
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33 Pro Arg Arg Tyr Phe Arg Ser Gly Val Glu Ile Ile Arg Met Ala Ser
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36      50          55          60
37 Lys Tyr Ile Thr Leu Phe Ile Glu Lys Leu Pro Lys His Arg Asp Tyr
38      65          70          75          80
39 Lys Ser Ala Val Ile Pro Glu Lys Lys Asp Thr Val Lys Lys Leu Lys
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41 Glu Ile Ala Phe Pro Lys Ala Glu Glu Leu Lys Ala Glu Leu Leu Lys
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43 Arg Tyr Thr Lys Glu Tyr Thr Glu Tyr Asn Glu Glu Lys Lys Lys Glu
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45 Ala Glu Glu Leu Ala Arg Asn Met Ala Ile Gln Gln Glu Leu Glu Lys
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47 Glu Lys Gln Arg Val Ala Gln Gln Lys Gln Gln Gln Leu Glu Gln Glu
48      145         150         155         160
49 Gln Phe His Ala Phe Glu Glu Met Ile Arg Asn Gln Glu Leu Glu Lys
50      165         170         175
51 Glu Arg Leu Lys Ile Val Gln Glu Phe Gly Lys Val Asp Pro Gly Leu
52      180         185         190
53 Gly Gly Pro Leu Val Pro Asp Leu Glu Lys Pro Ser Leu Asp Val Phe
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56 210 215 220
57 Val Arg Pro Ala Lys Pro Pro Val Val Asp Arg Ser Leu Lys Pro Gly
58 225 230 235 240
59 Ala Leu Ser Asn Ser Glu Ser Ile Pro Thr Ile Asp Gly Leu Arg His
60 245 250 255
61 Val Val Val Pro Gly Arg Leu Cys Pro Gln Phe Leu Gln Leu Ala Ser
62 260 265 270
63 Ala Asn Thr Ala Arg Gly Val Glu Thr Cys Gly Ile Leu Cys Gly Lys
64 275 280 285
65 Leu Met Arg Asn Glu Phe Thr Ile Thr His Val Leu Ile Pro Lys Gln
66 290 295 300
67 Ser Ala Gly Ser Asp Tyr Cys Asn Thr Glu Asn Glu Glu Leu Phe
68 305 310 315 320
69 Leu Ile Gln Asp Gln Gln Gly Leu Ile Thr Leu Gly Trp Ile His Thr
70 325 330 335
71 His Pro Thr Gln Thr Ala Phe Leu Ser Ser Val Asp Leu His Thr His
72 340 345 350
73 Cys Ser Tyr Gln Met Met Leu Pro Glu Ser Val Ala Ile Val Cys Ser
74 355 360 365
75 Pro Lys Phe Gln Glu Thr Gly Phe Phe Lys Leu Thr Asp His Gly Leu
76 370 375 380
77 Glu Glu Ile Ser Ser Cys Arg Gln Lys Gly Phe His Pro His Ser Lys
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96 ccgcctcttgc gttgagatta tccgaatggc atccattac tctgaggaag gcaacattga 180
97 acatgccttc atcctctata acaaagtatac cacgctctt attgagaaac tacaaaaca 240
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106 gaaacctgga gcactgagca actcagaaag tattcccaca atcgatggat tgcccatgt 780

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 123 tggtttatgg caatatgaat ggagctttt actgggggtga gggacagctt actccatttg 1800
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 137 Pro Arg Arg Tyr Tyr Arg Ser Gly Val Glu Ile Ile Arg Met Ala Ser
 138 35 40 45
 139 Val Tyr Ser Glu Glu Gly Asn Ile Glu His Ala Phe Ile Leu Tyr Asn
 140 50 55 60
 141 Lys Tyr Ile Thr Leu Phe Ile Glu Lys Leu Pro Lys His Arg Asp Tyr
 142 65 70 75 80
 143 Lys Ser Ala Ile Ile Pro Glu Lys Lys Asp Ala Val Lys Lys Leu Lys
 144 85 90 95
 145 Ser Val Ala Phe Pro Lys Ala Glu Glu Leu Lys Thr Glu Leu Leu Arg
 146 100 105 110
 147 Arg Tyr Thr Lys Glu Tyr Glu Gln Tyr Lys Glu Arg Lys Lys Lys Glu
 148 115 120 125
 149 Glu Glu Glu Leu Ala Arg Asn Ile Ala Ile Gln Gln Glu Leu Glu Lys
 150 130 135 140
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 152 145 150 155 160
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 154 165 170 175
 155 Glu Arg Leu Lys Ile Val Gln Glu Phe Gly Lys Val Asp Pro Gly Pro
 156 180 185 190
 157 Cys Gly Pro Leu Leu Pro Asp Leu Glu Lys Pro Cys Val Asp Val Ala

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163	240		
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167	260	265	270
168	Ala Asn Thr Ala Lys Gly Ile Glu Thr Cys Gly Val Leu Cys Gly Lys		
169	275	280	285
170	Leu Met Arg Asn Glu Phe Thr Ile Thr His Val Leu Ile Pro Arg Gln		
171	290	295	300
172	Asn Gly Gly Pro Asp Tyr Cys His Thr Glu Asn Glu Glu Glu Ile Phe		
173	305	310	315
174	320		
175	Phe Met Gln Asp Asp Leu Gly Leu Leu Thr Leu Gly Trp Ile His Thr		
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181	180	375	380
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214	tcaagagttc gggaaaggtag accctggccc ctgcggccct ctgctccctg atctggaaaa 660		
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212 tctgtgctca gaatttctcc agcttgcacg tgccaatacc gccaaaggca ttgaaacctg 900
213 tggagtcctc tgtggaaaac ttagtggaaaa tgaattcaca atcacacatg ttctcatccc 960
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221 acca 1384

VERIFICATION SUMMARY

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